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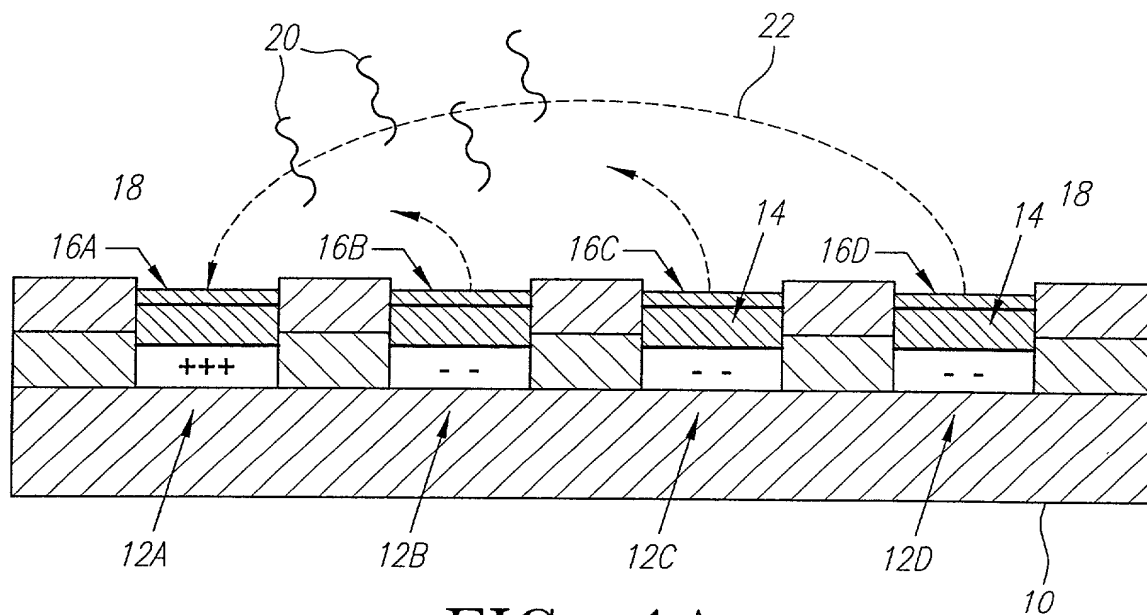


FIG. 1A

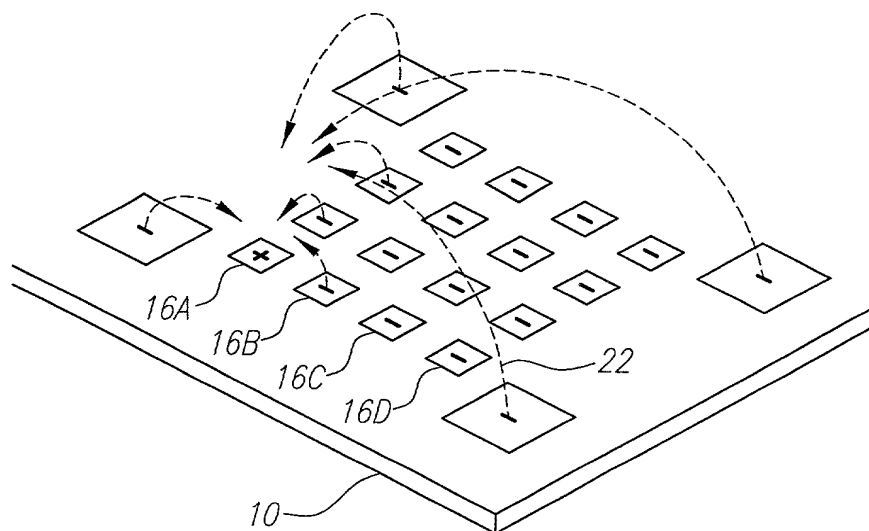


FIG. 1B

FOI b5 D0859860

FIGURE 2A

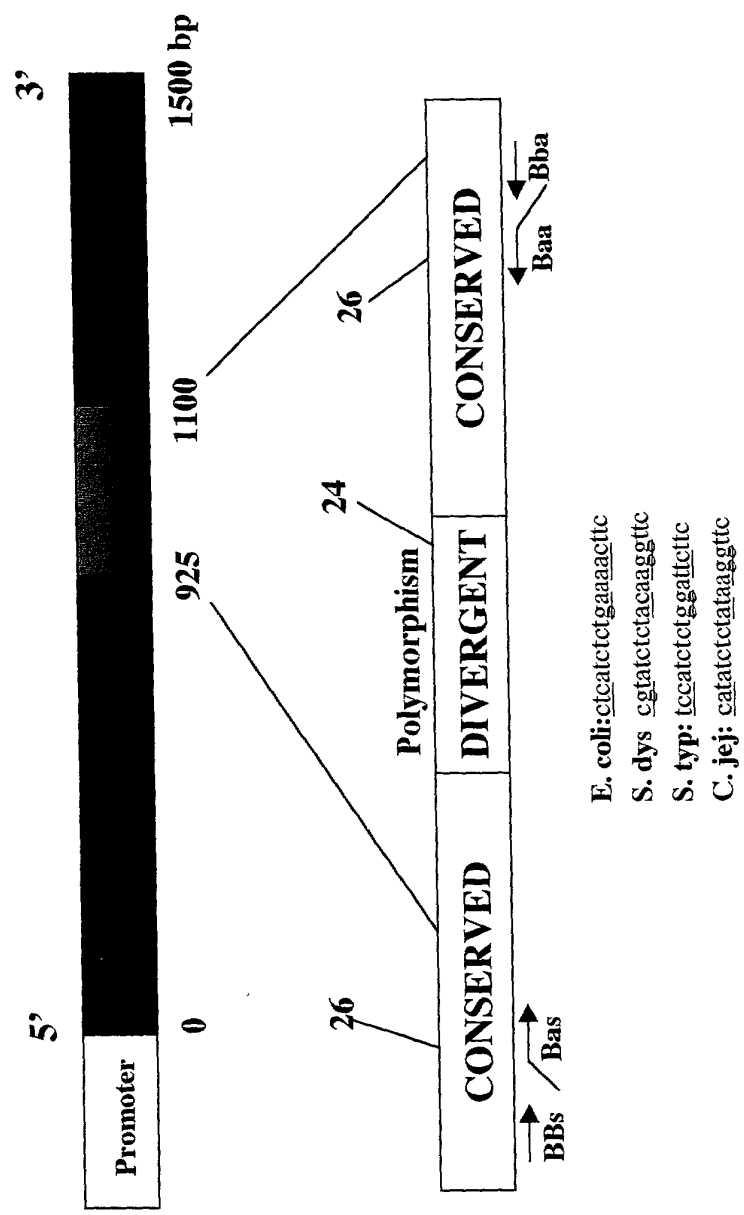
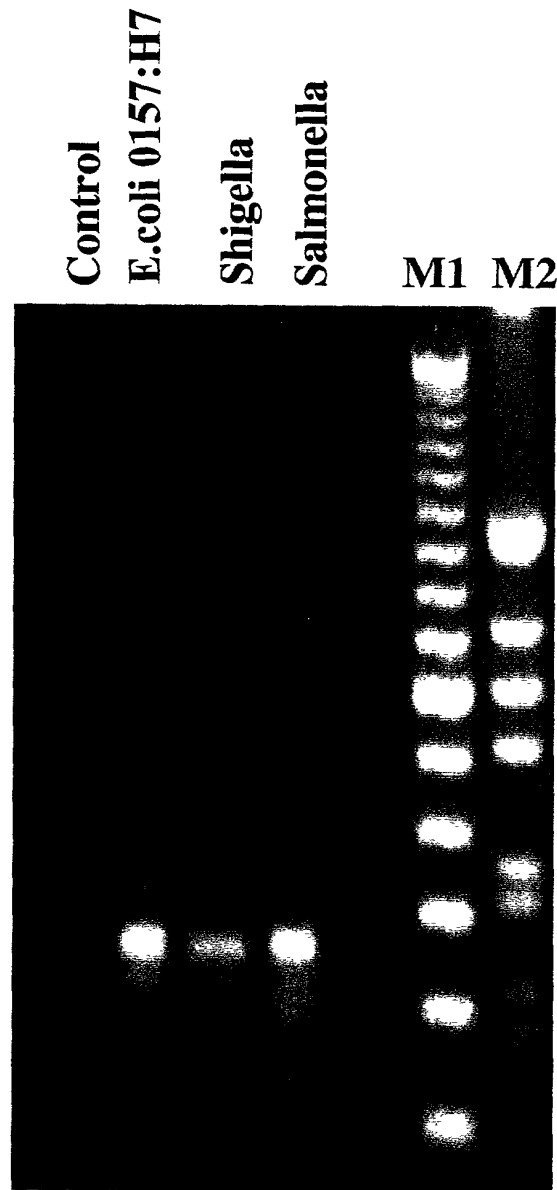


FIGURE 2B



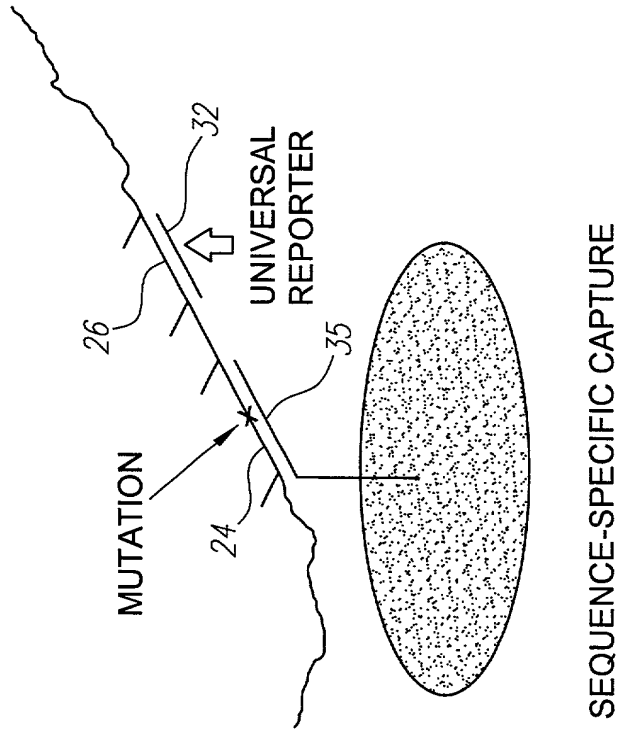


FIG. 2D

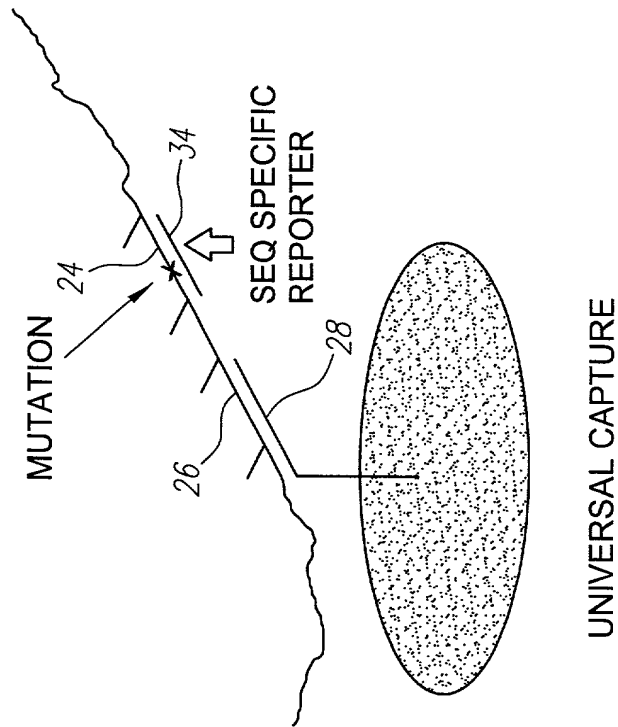
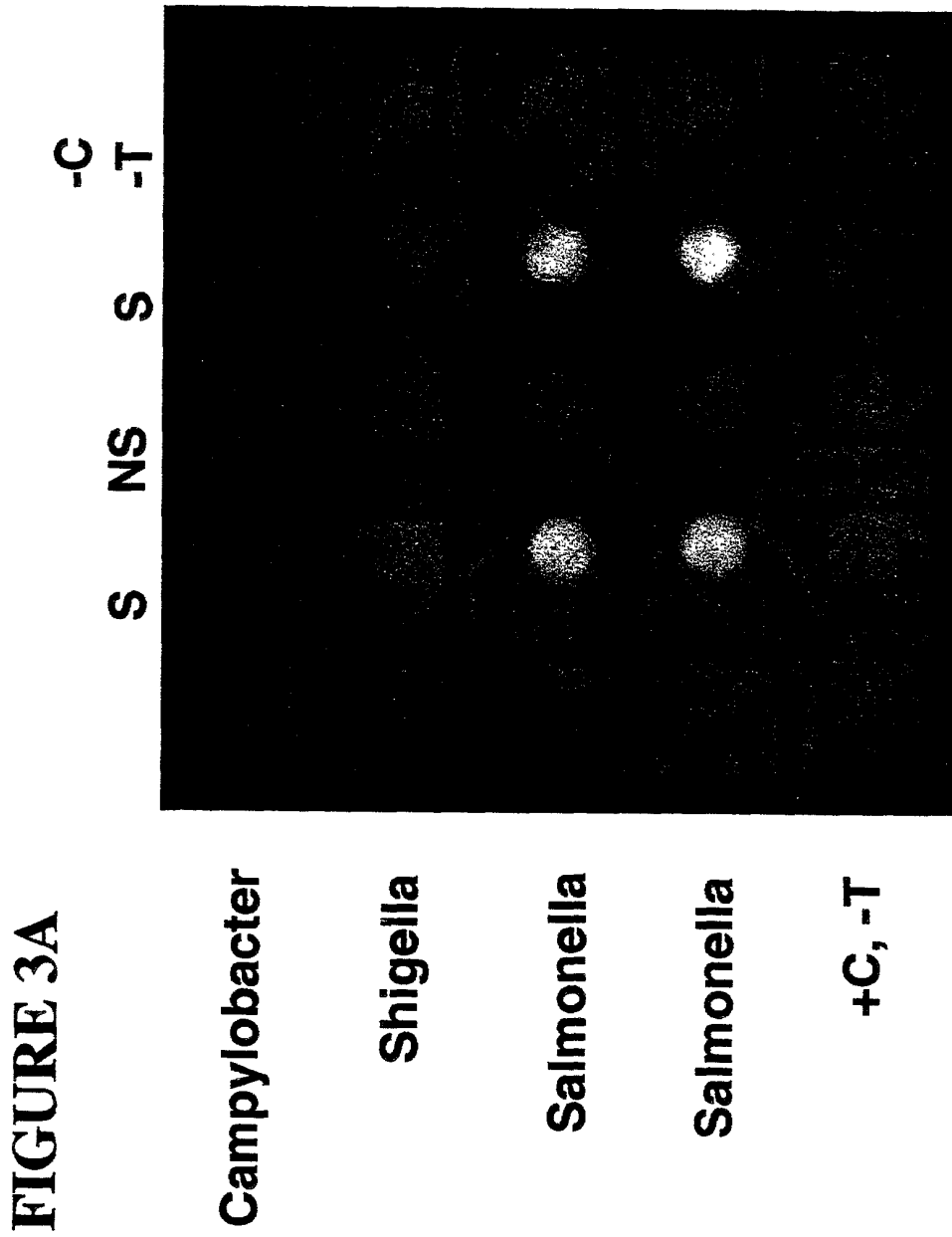


FIG. 2C



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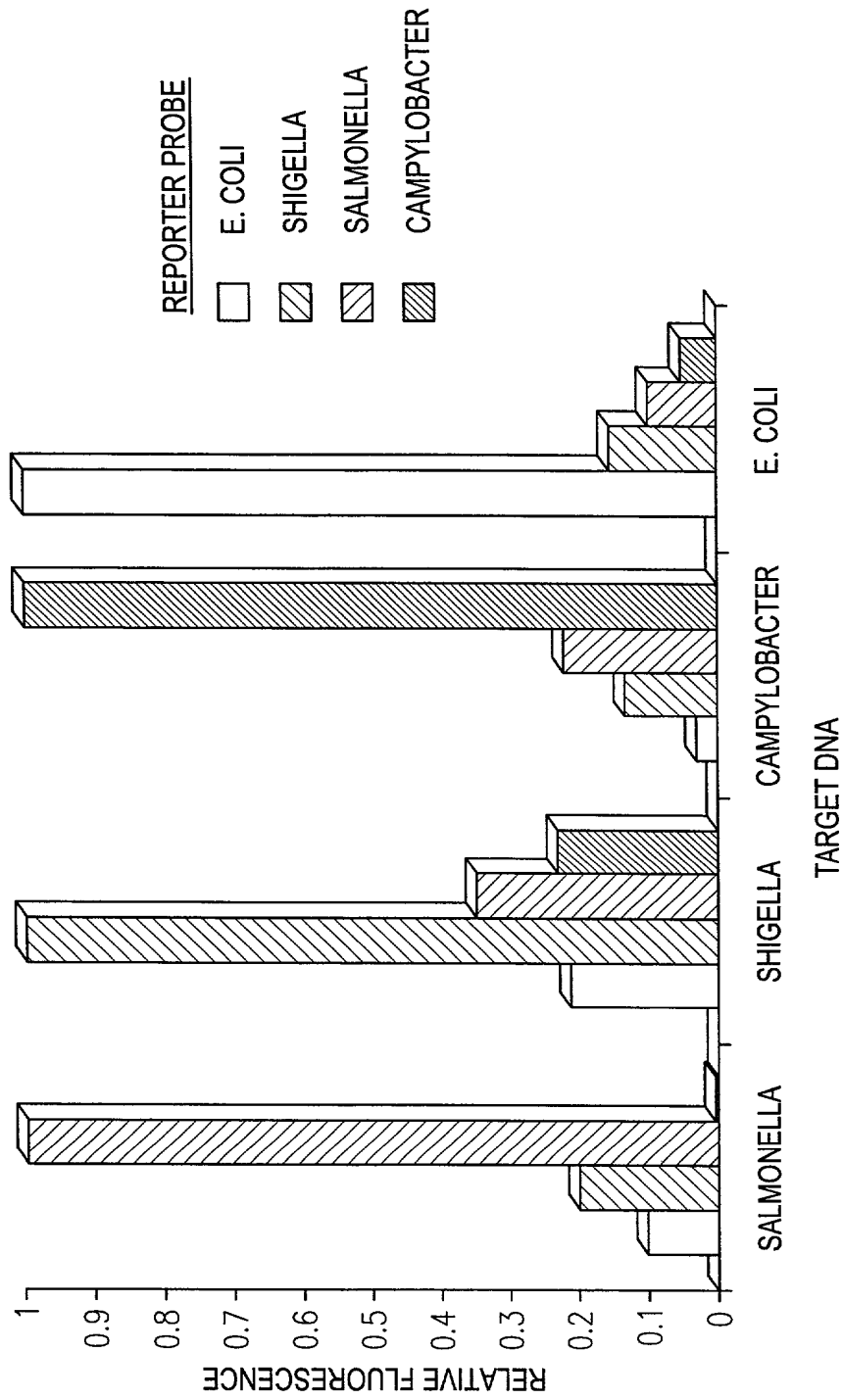


FIG. 3B

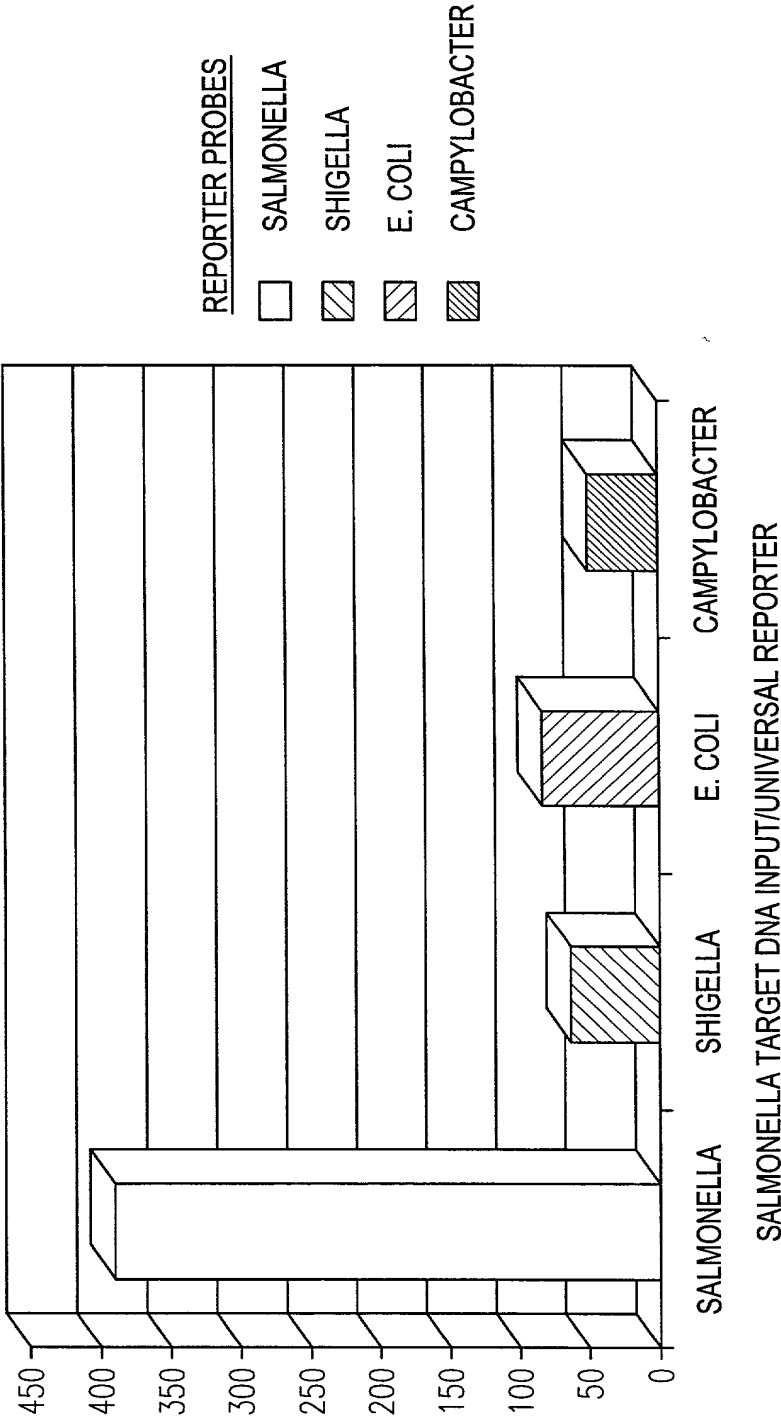
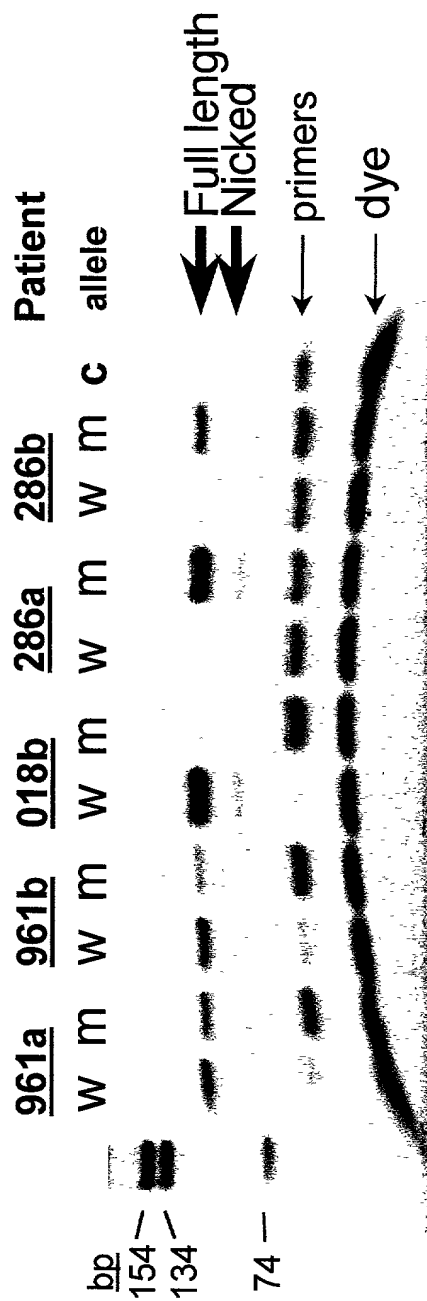


FIG. 3C

FIGURE 4A



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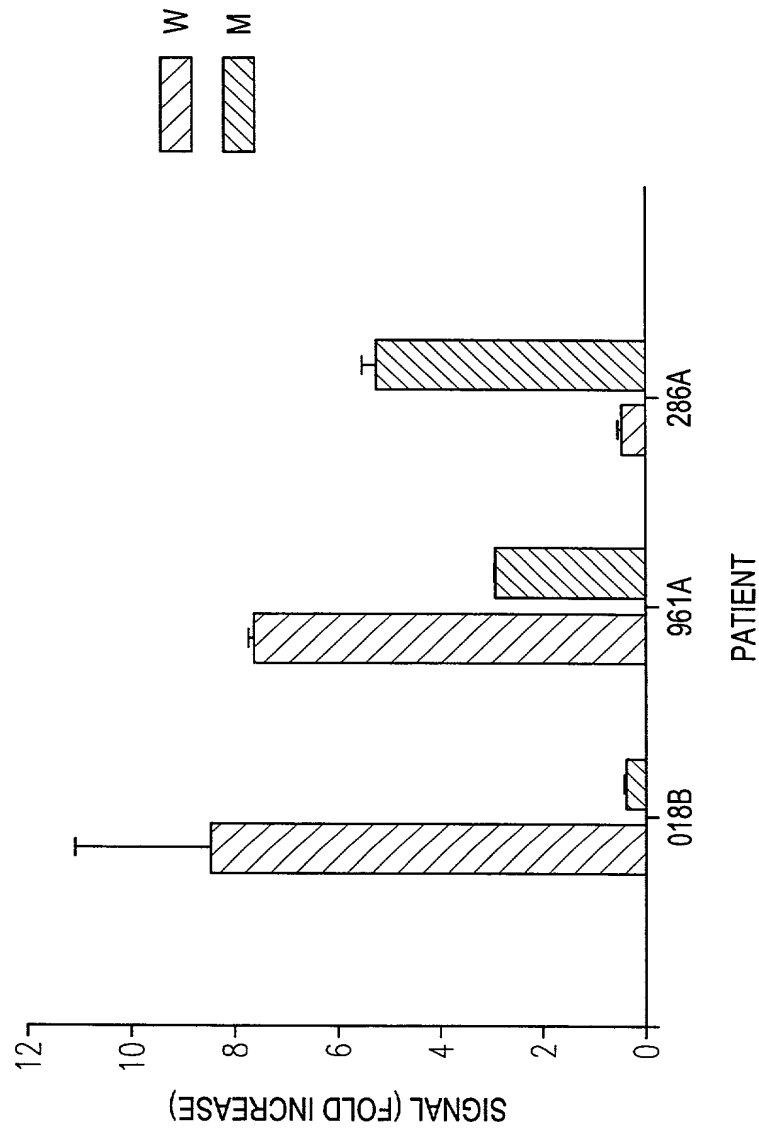


FIG. 4B

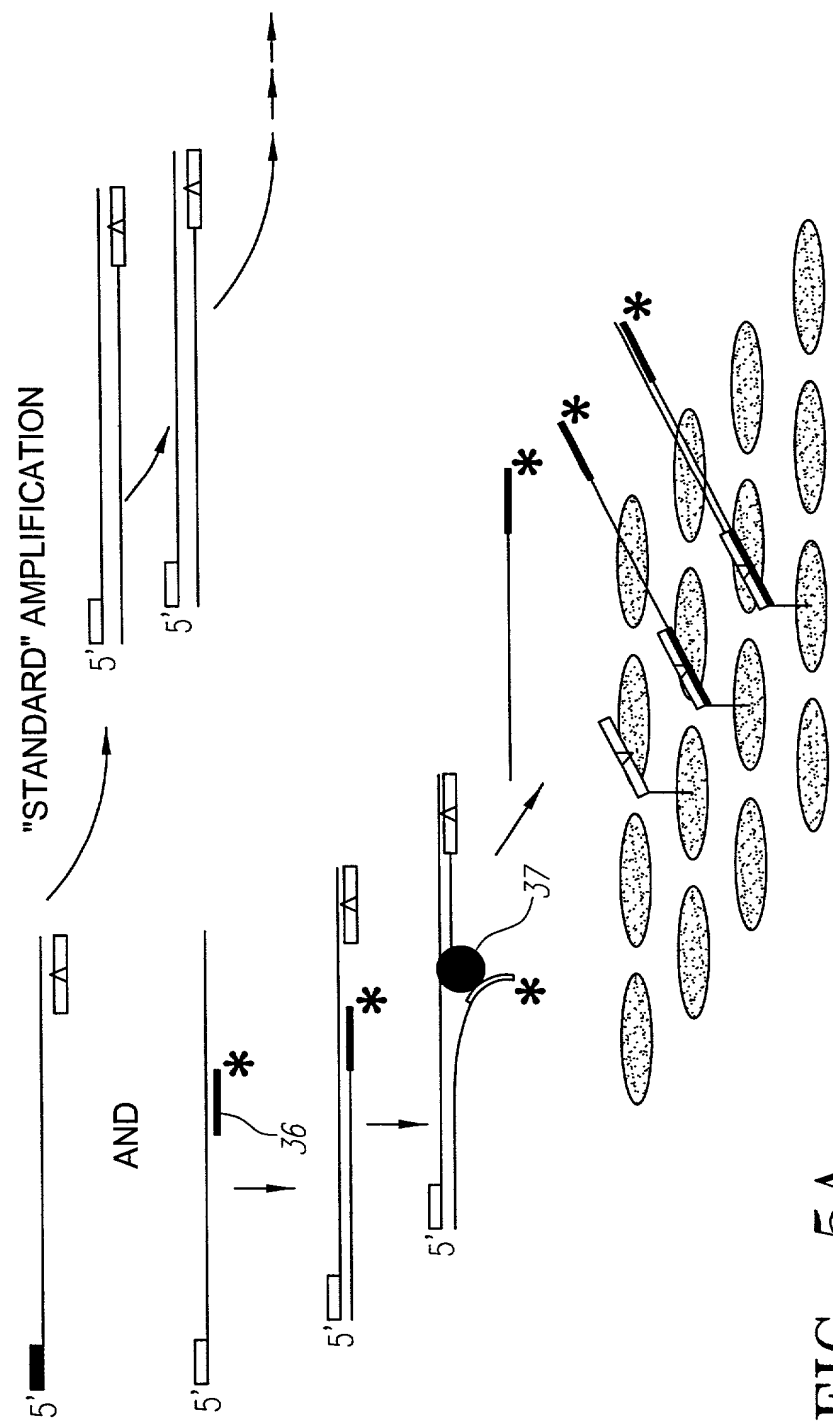


FIG. 5A

T05250" 20859860

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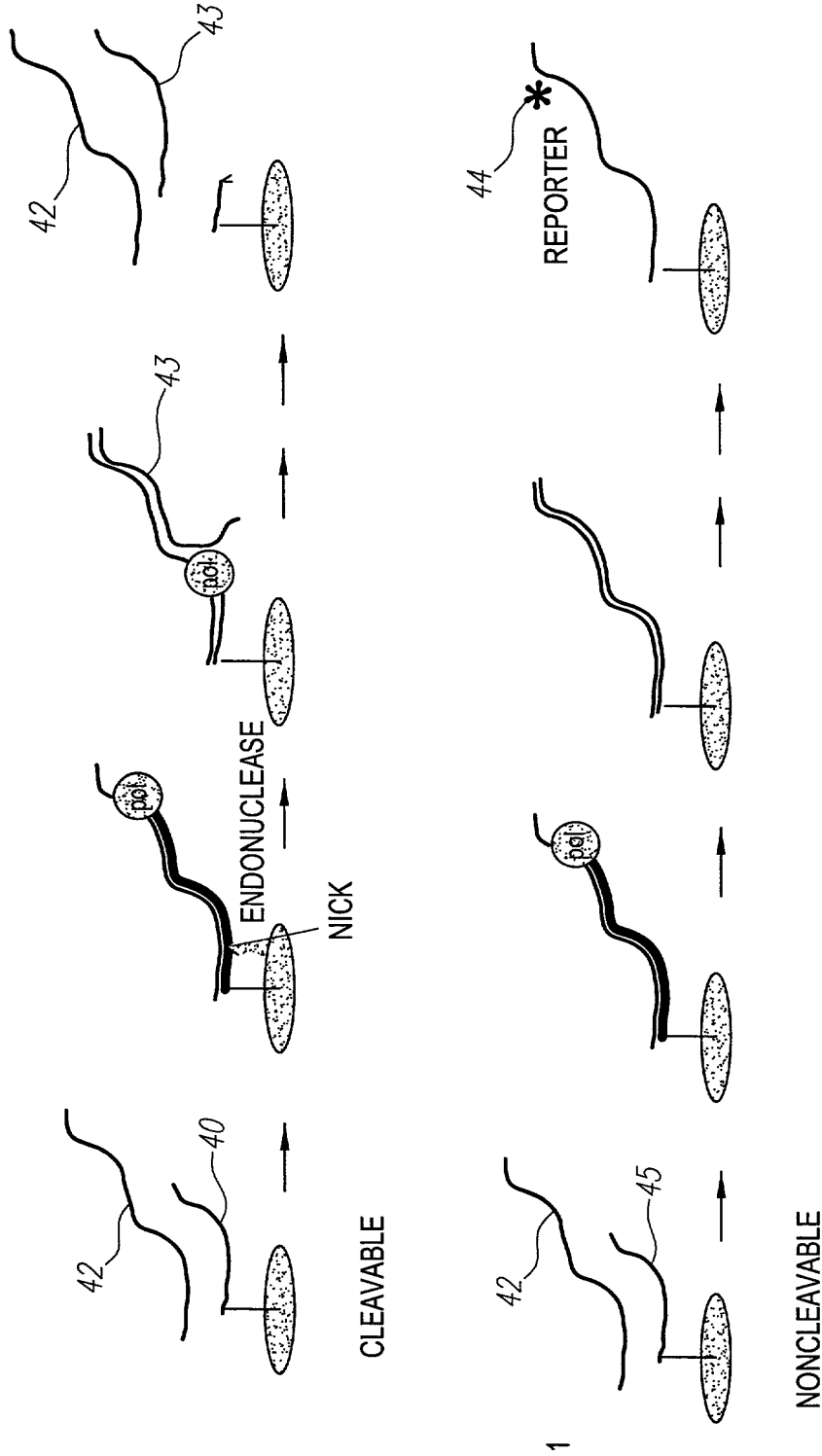
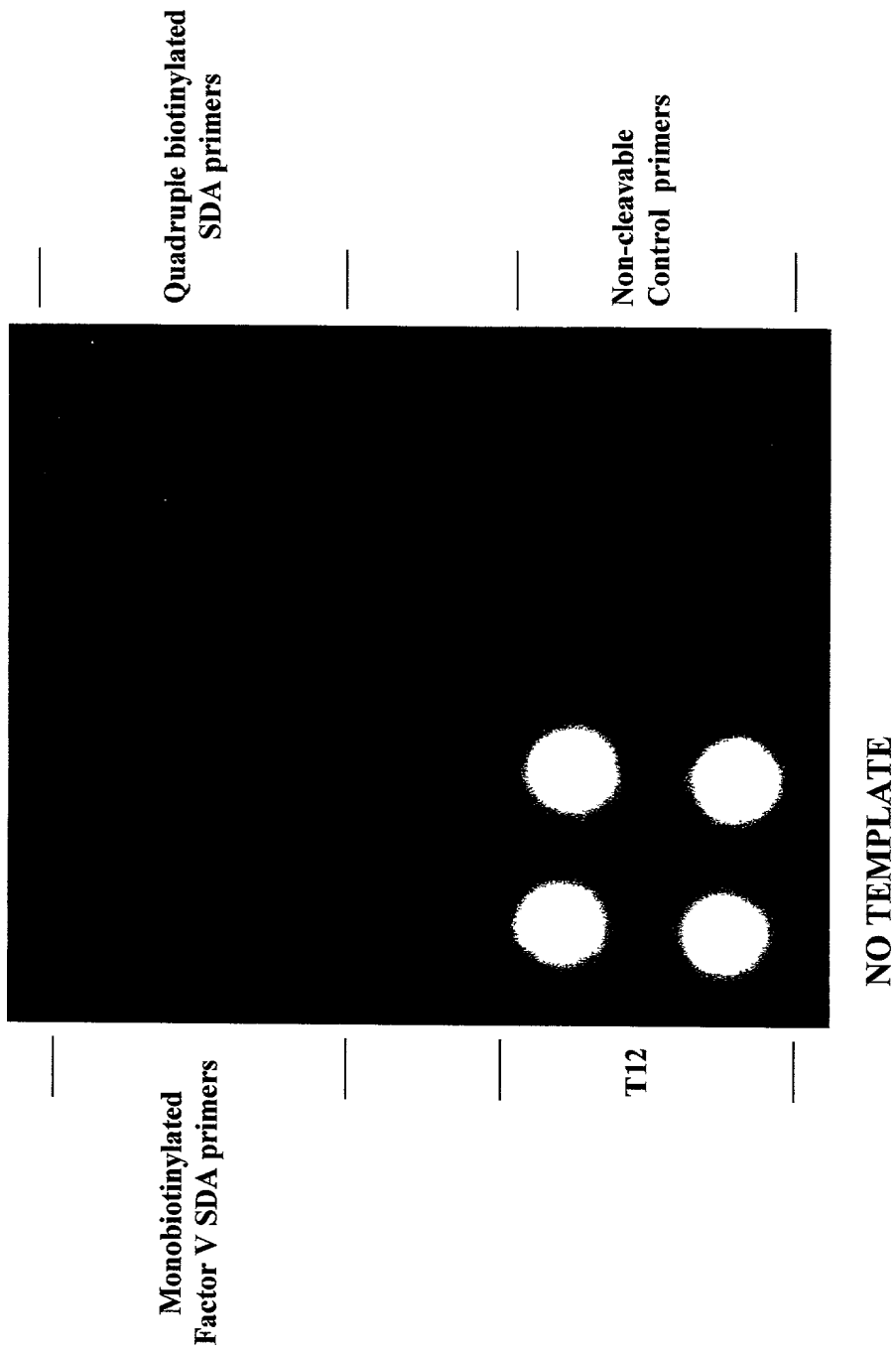


FIG. 5B

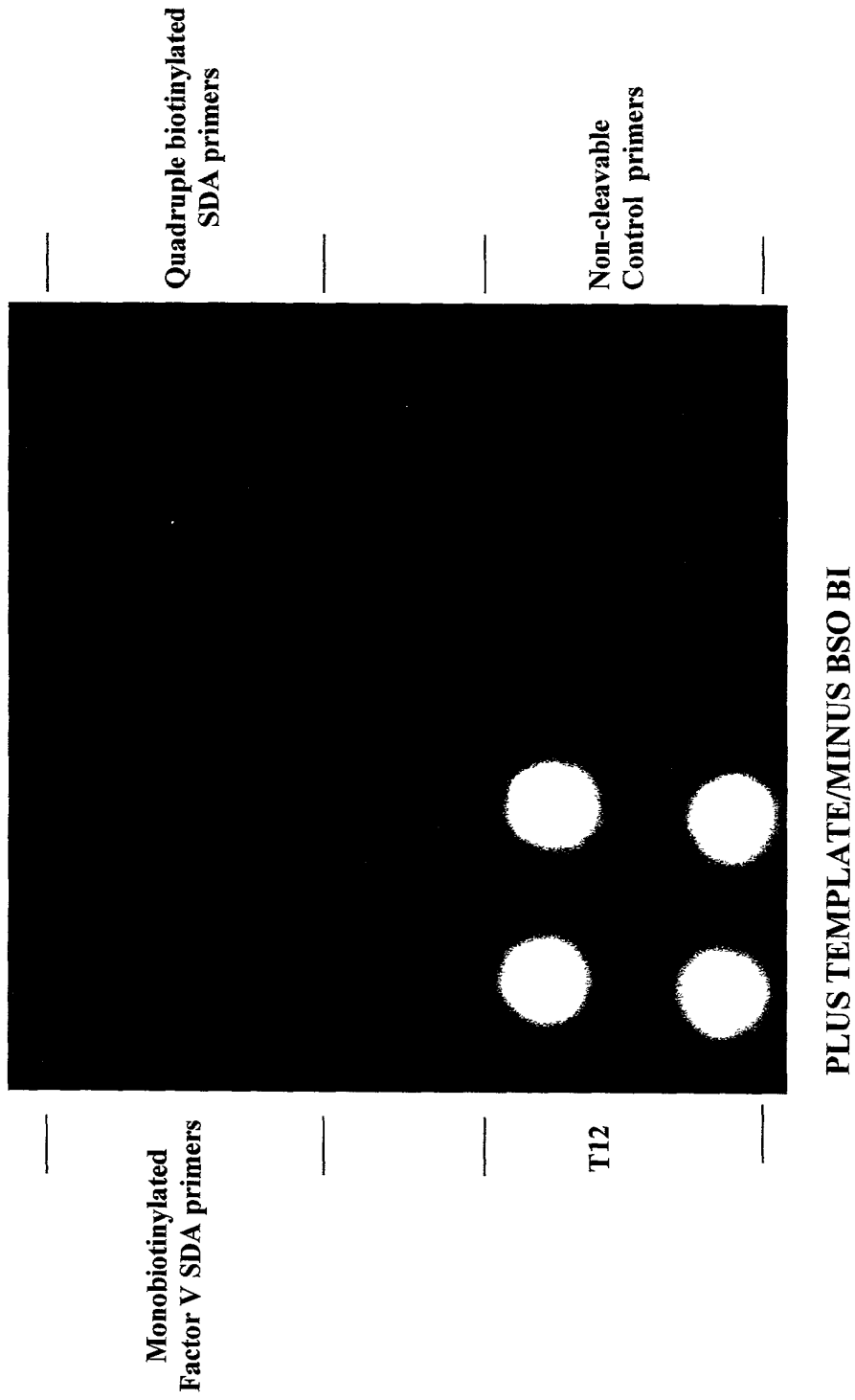
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FIGURE 6A



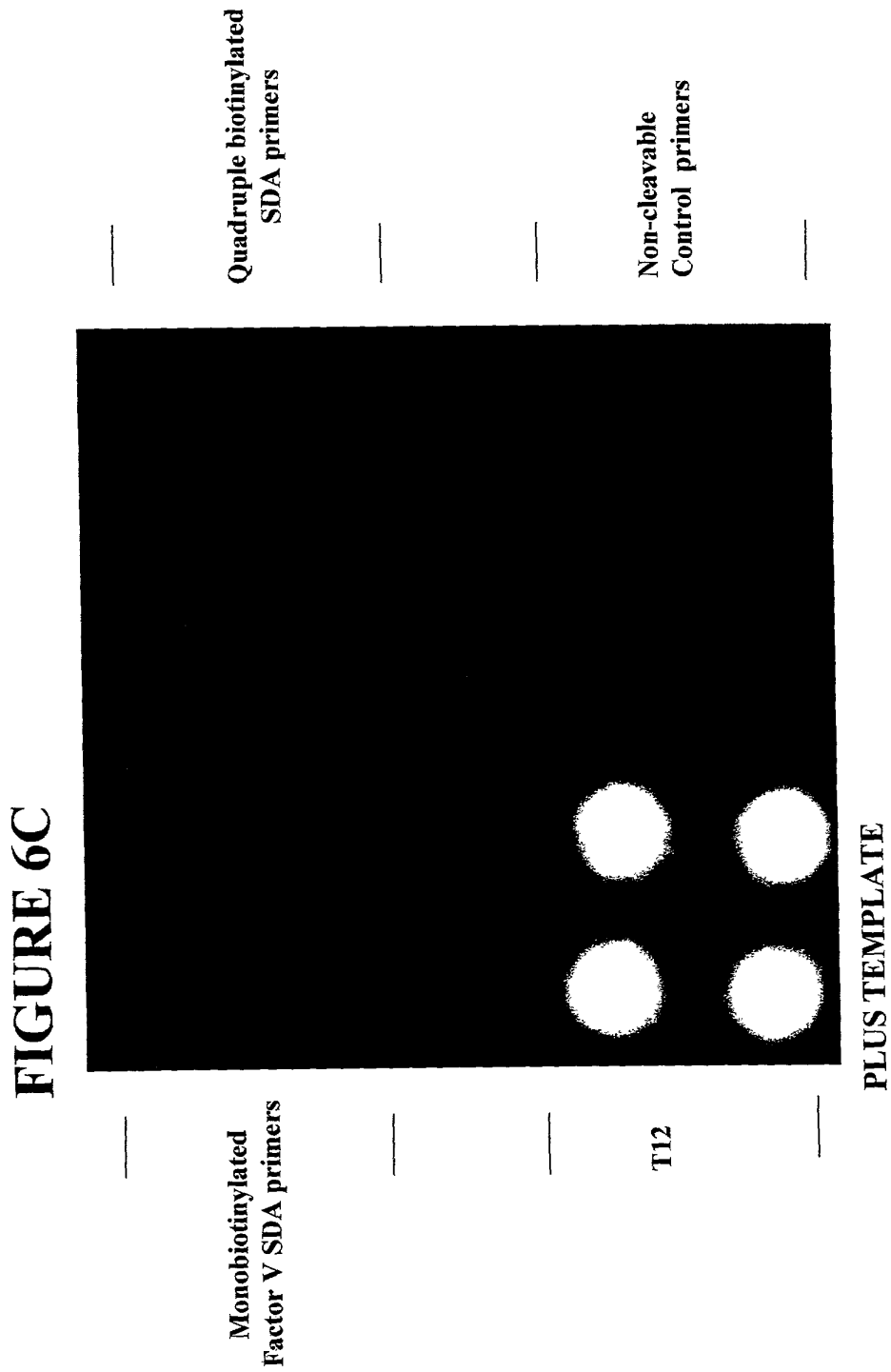
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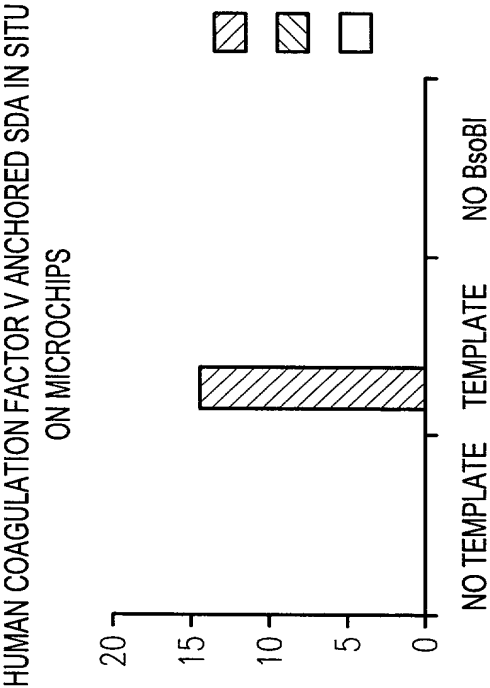
FIGURE 6B



T05250" / 0359360

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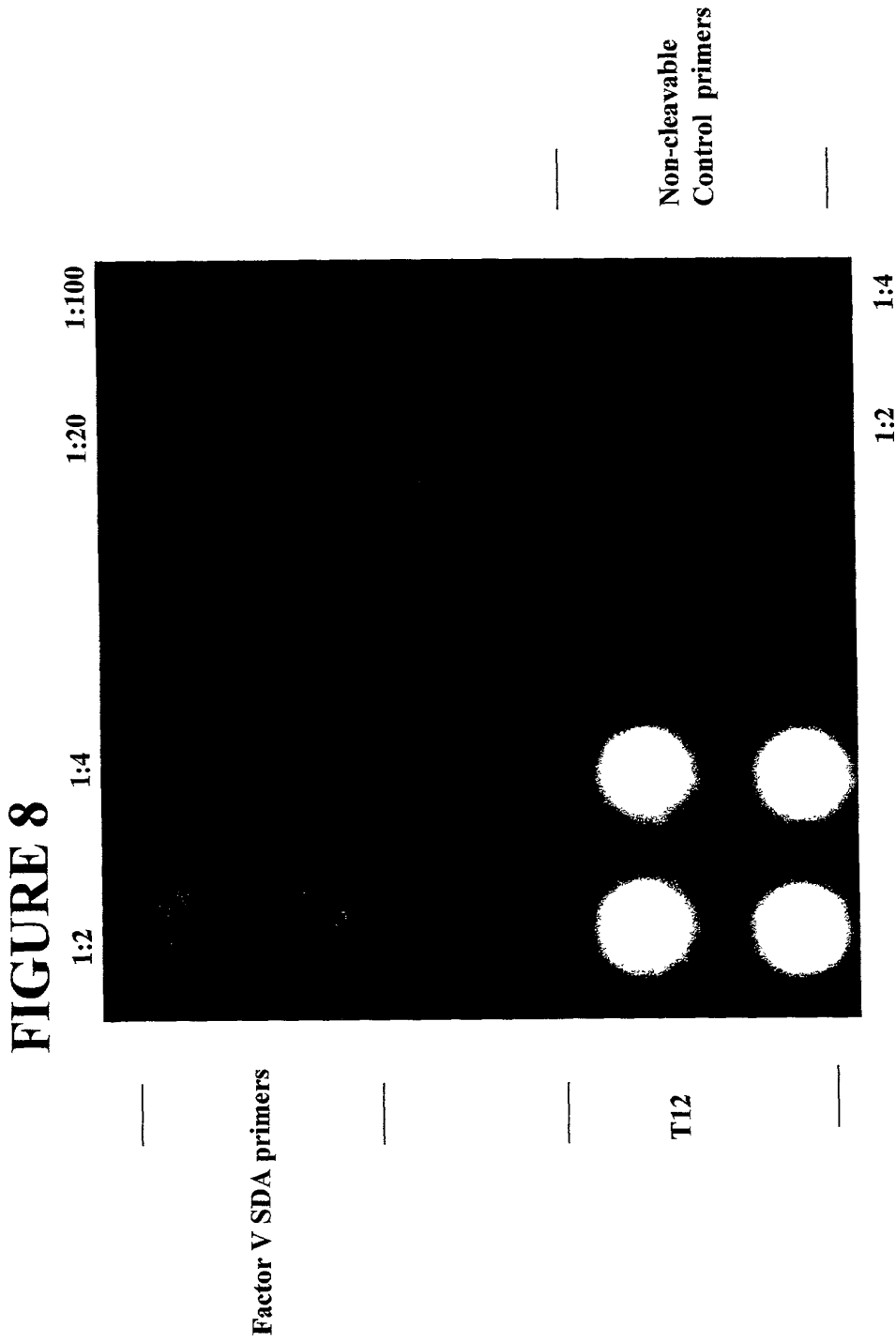




1005 + 1006 = MONOBOTINYLATED PROBES
1877 + 1878 = QUADRUPLE-BOTINYLATED PROBES
1029 + 1030 = NON-CLEAVABLE CONTROL PRIMERS

FIG. 7

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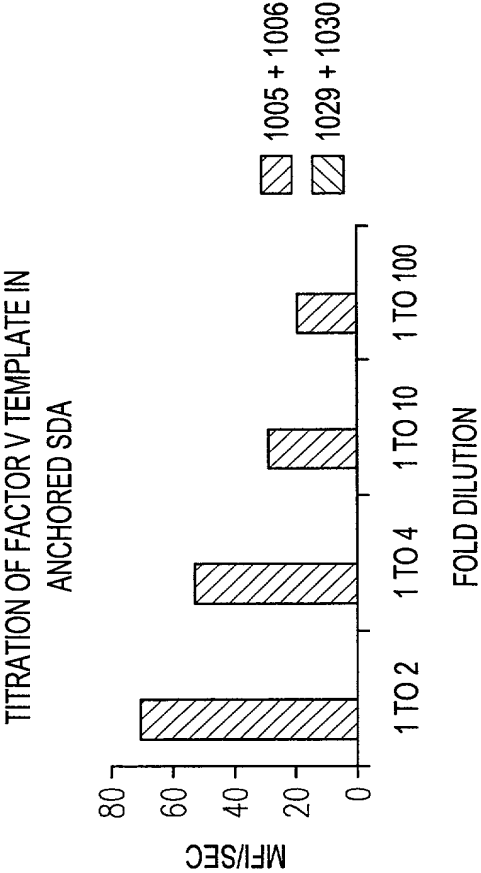


FIG. 9

1005 + 1006 = FACTOR V SDA PRIMERS
1029 + 1030 = NON-CLEAVABLE CONTROL PRIMERS

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FIGURE 10A

1 2 3 4 5 6



Lane
1. mol wt markers
2. PCR amplification
3. NASBA 1X template
4. NASBA 1,000X diluted template
5. NASBA 1,000,000X diluted template
6. NASBA - no template

FIGURE 10A

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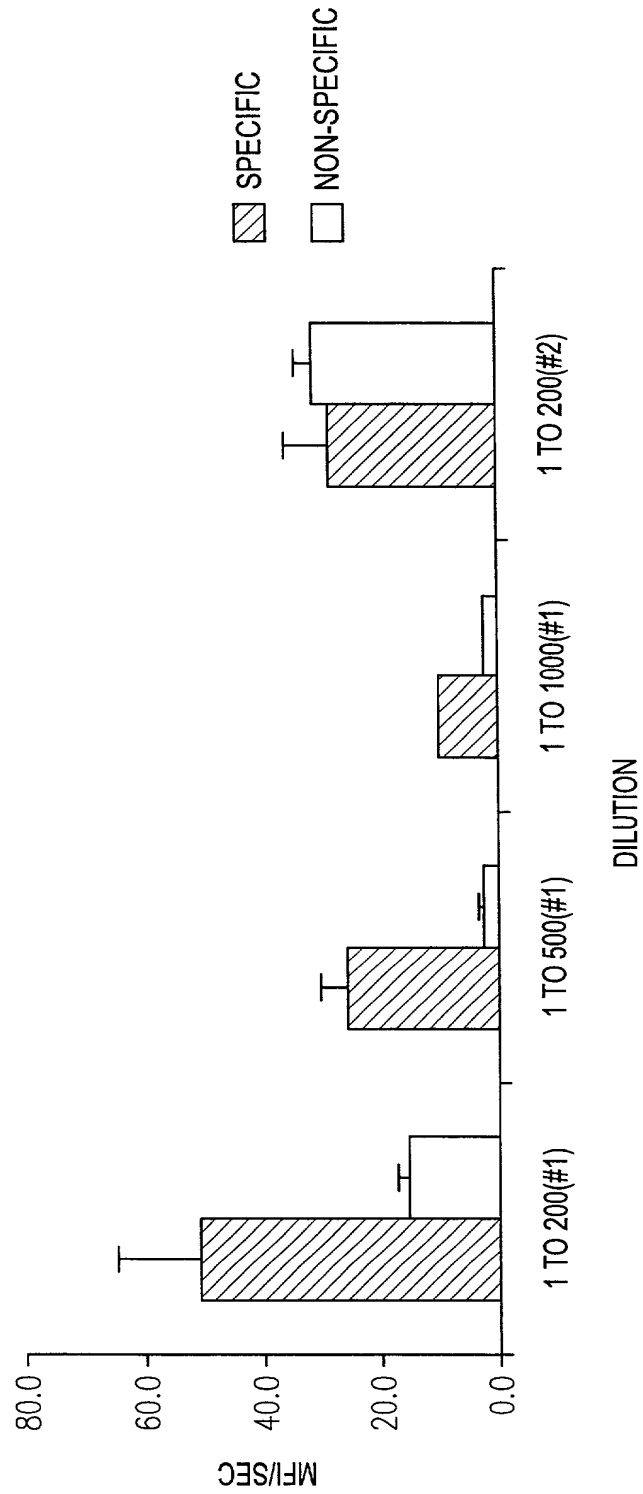


FIG. 10B

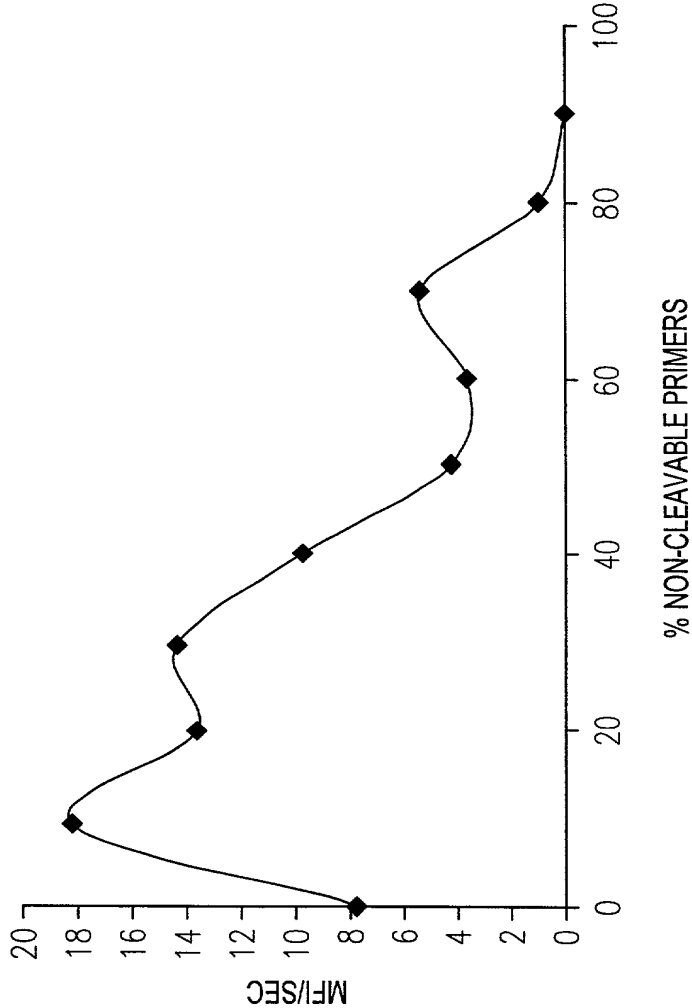


FIG. 11

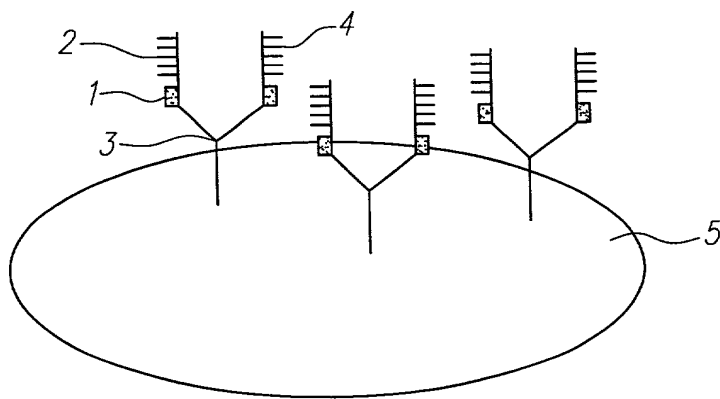


FIG. 12

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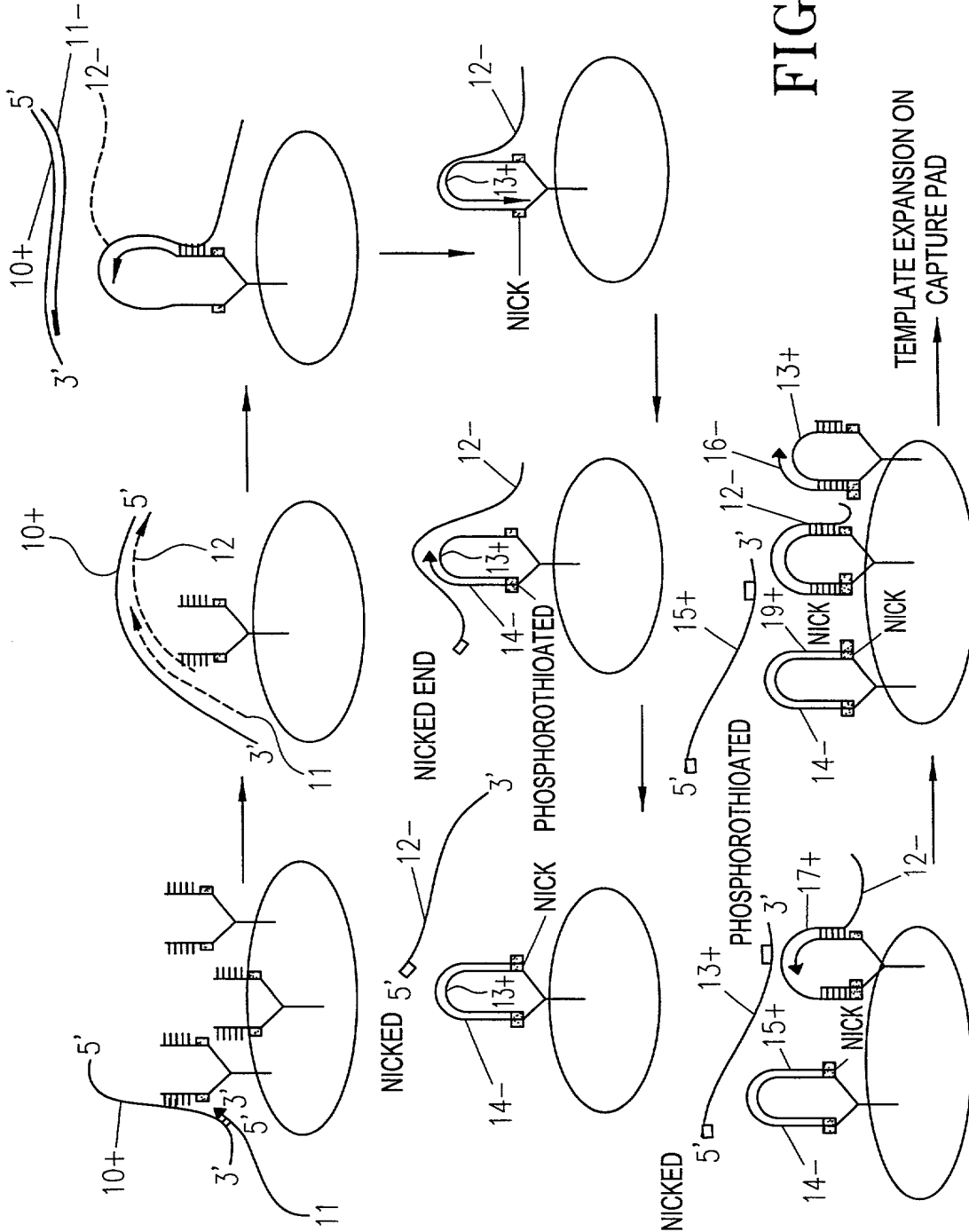


FIG. 13

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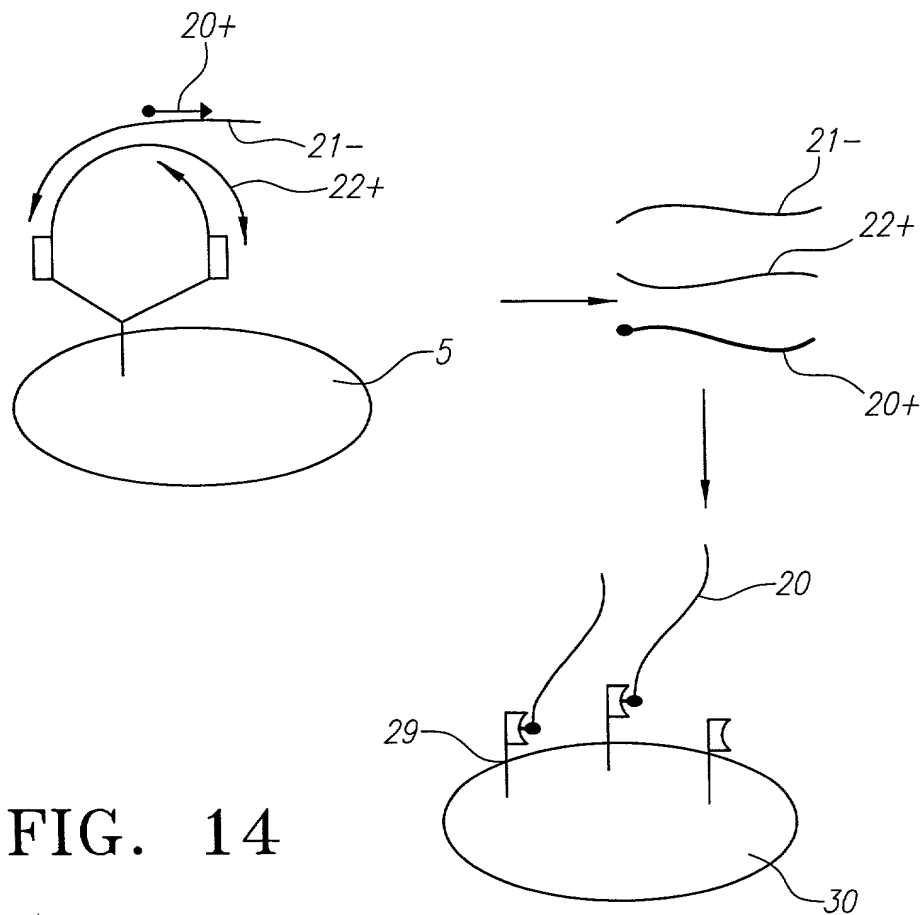


FIG. 14

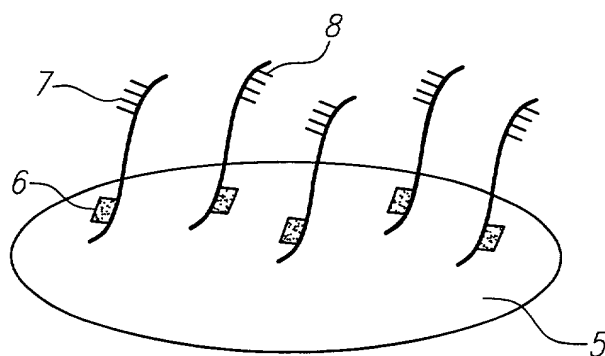
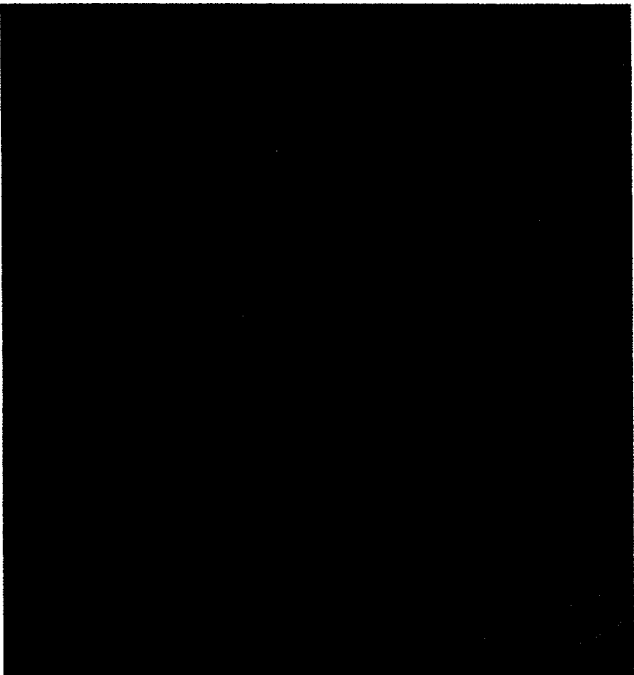


FIG. 15

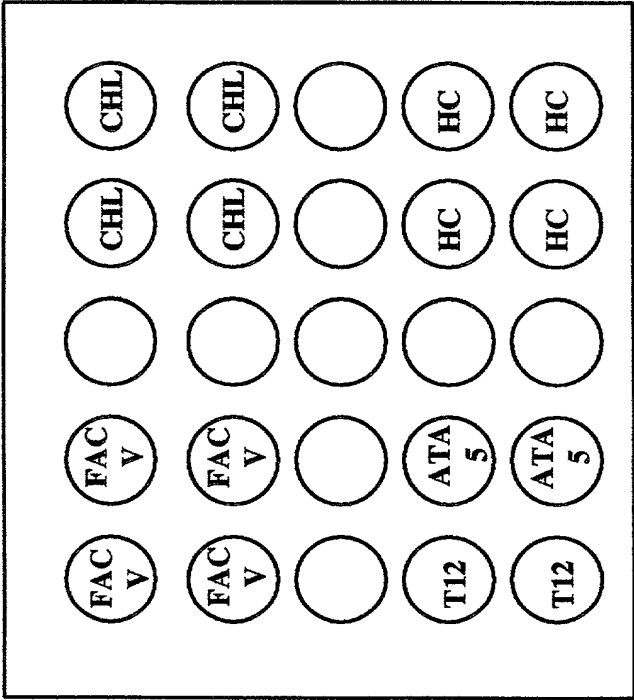
0959807.0590
T.059807.0590

FIGURE 17



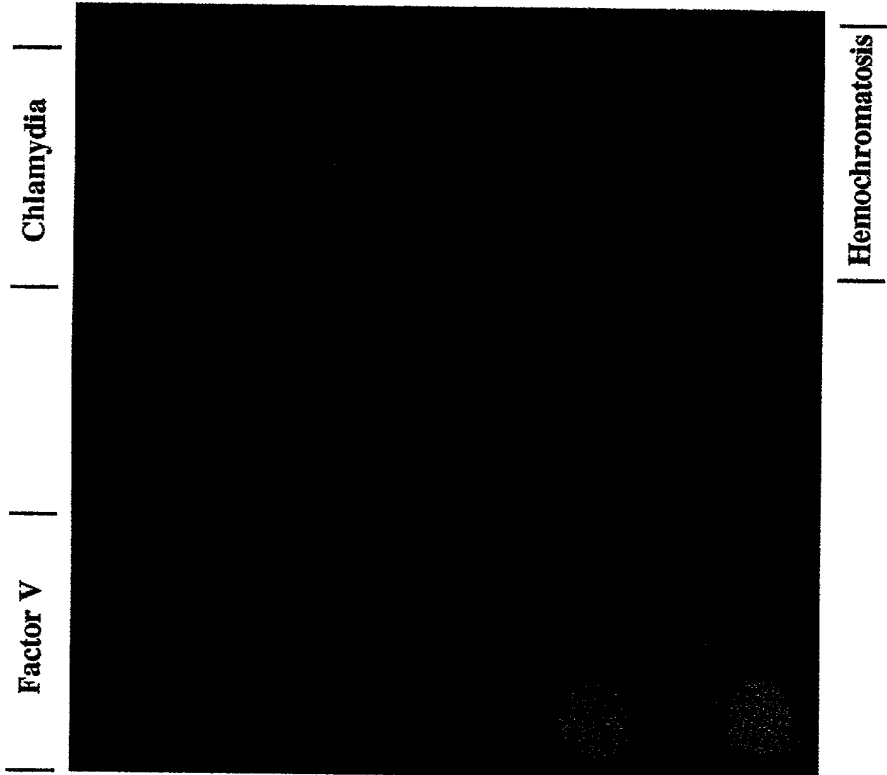
Control - No template +
all reporter oligos

FIGURE 16



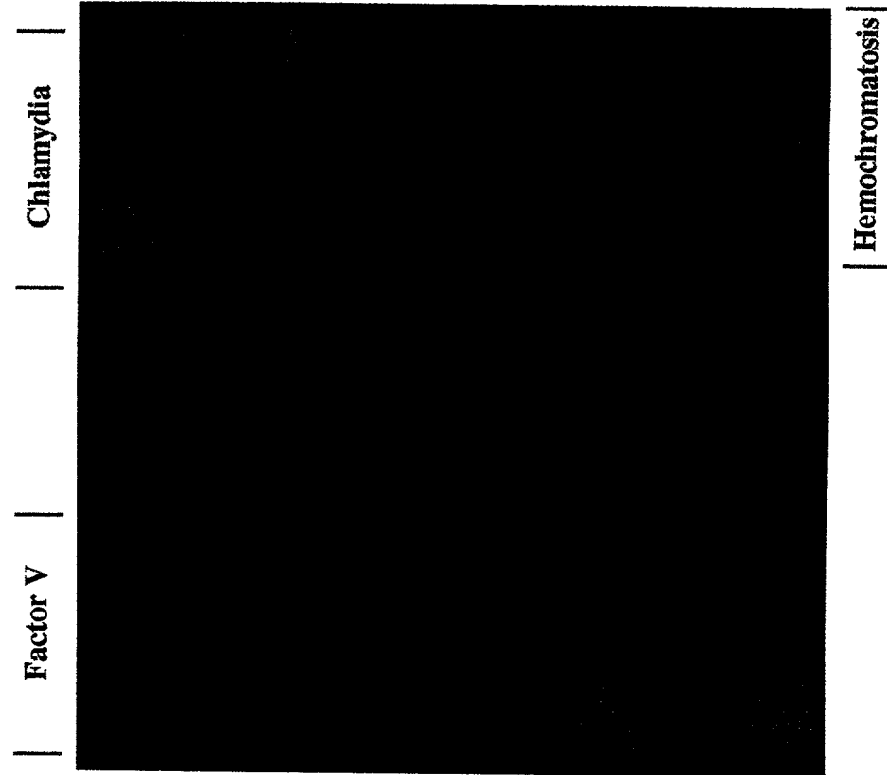
Experimental Layout

FIGURE 18



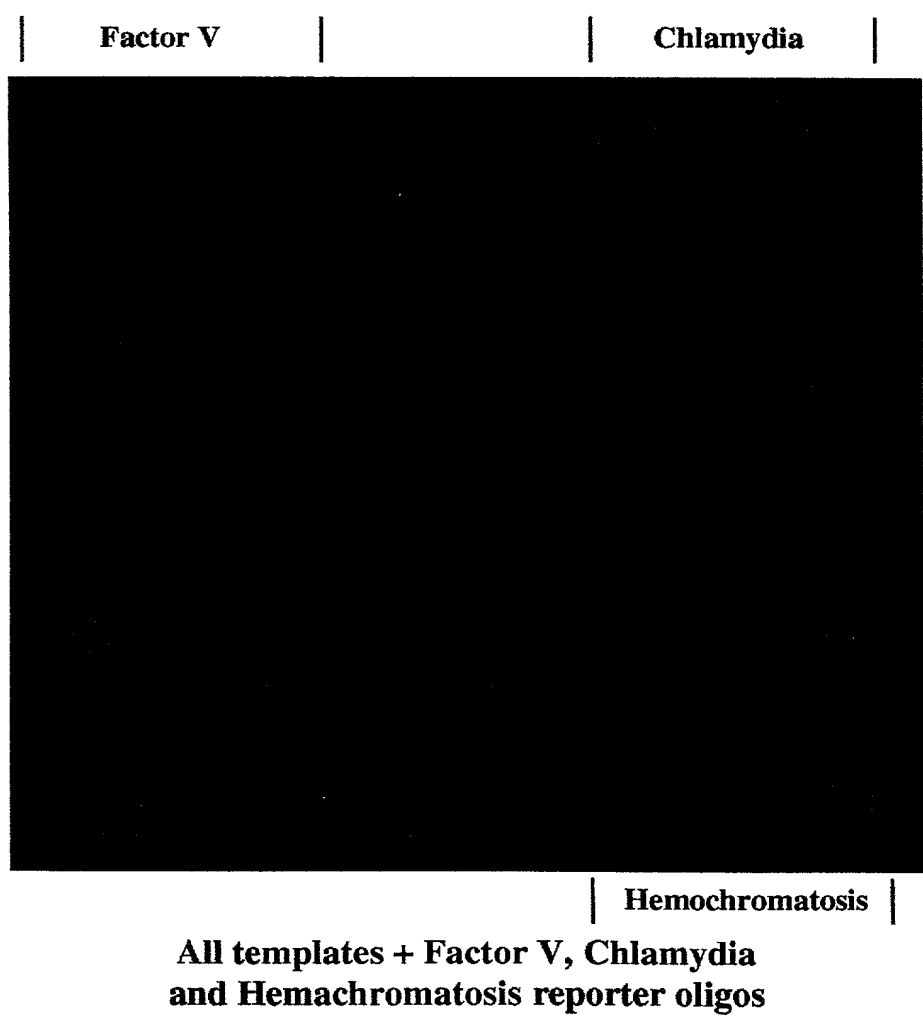
All templates + Factor V Reporter oligo

FIGURE 19

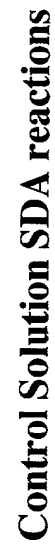


All templates + Factor V, Chlamydia
Reporter Oligos

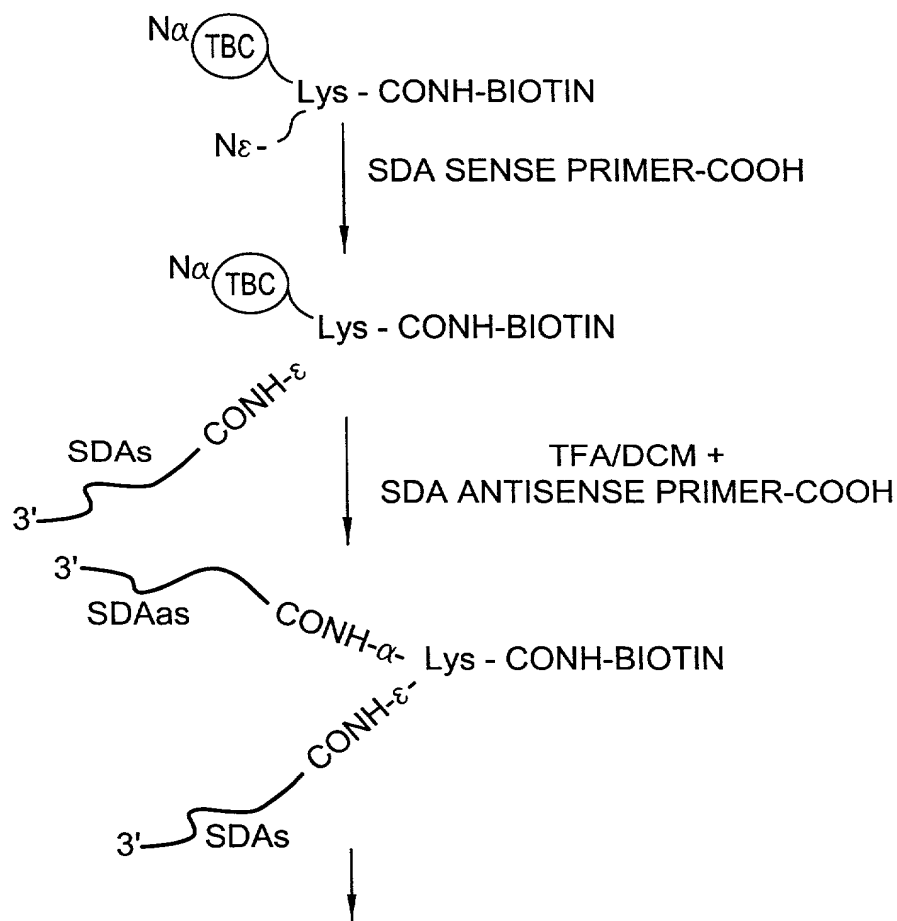
FIGURE 20



0985807 052501
T05250 20859860



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ATTACH TO STREPTAVIDIN PERMEATION LAYER ON MICROCHIP

FIG. 22

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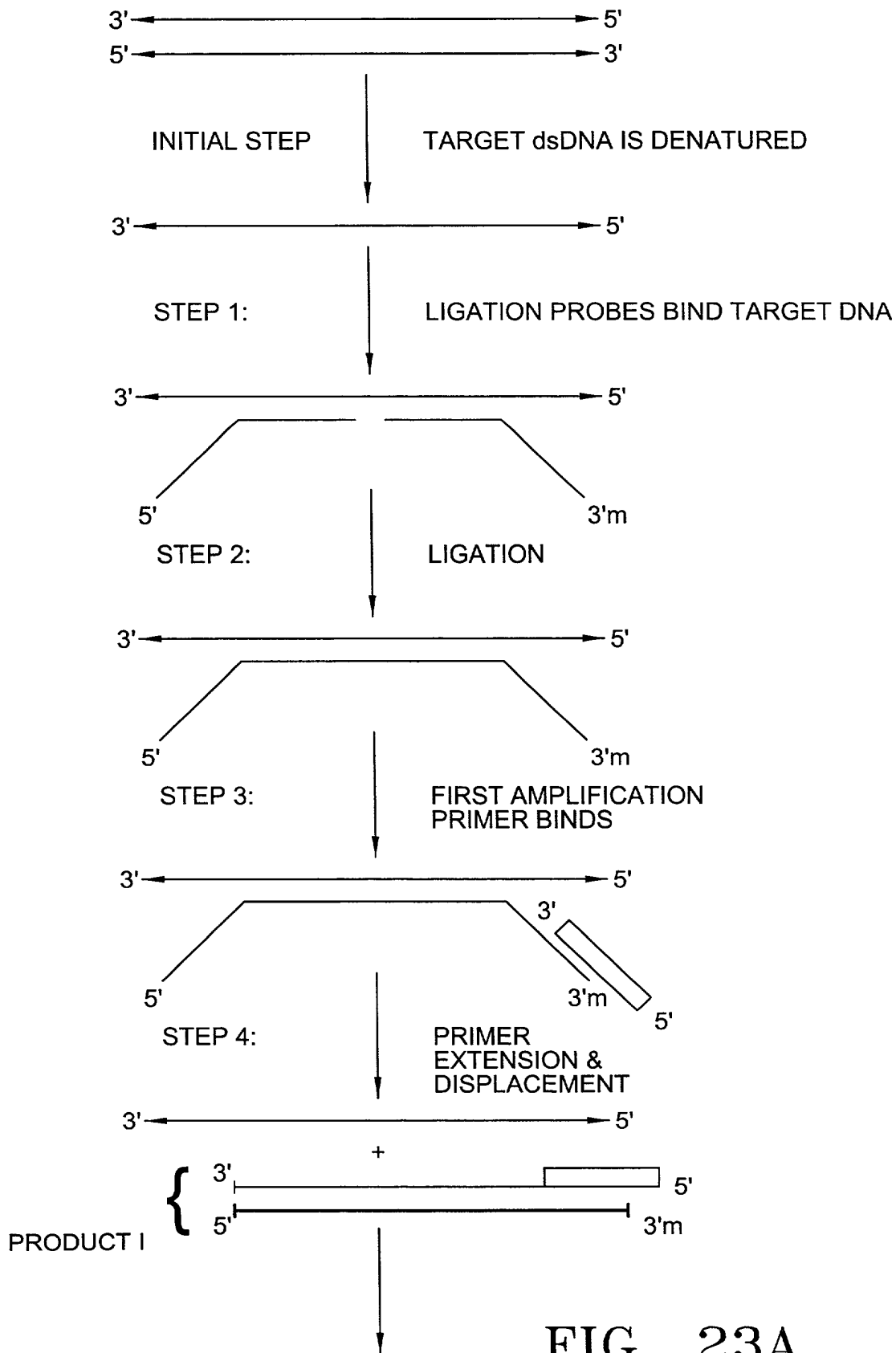


FIG. 23A

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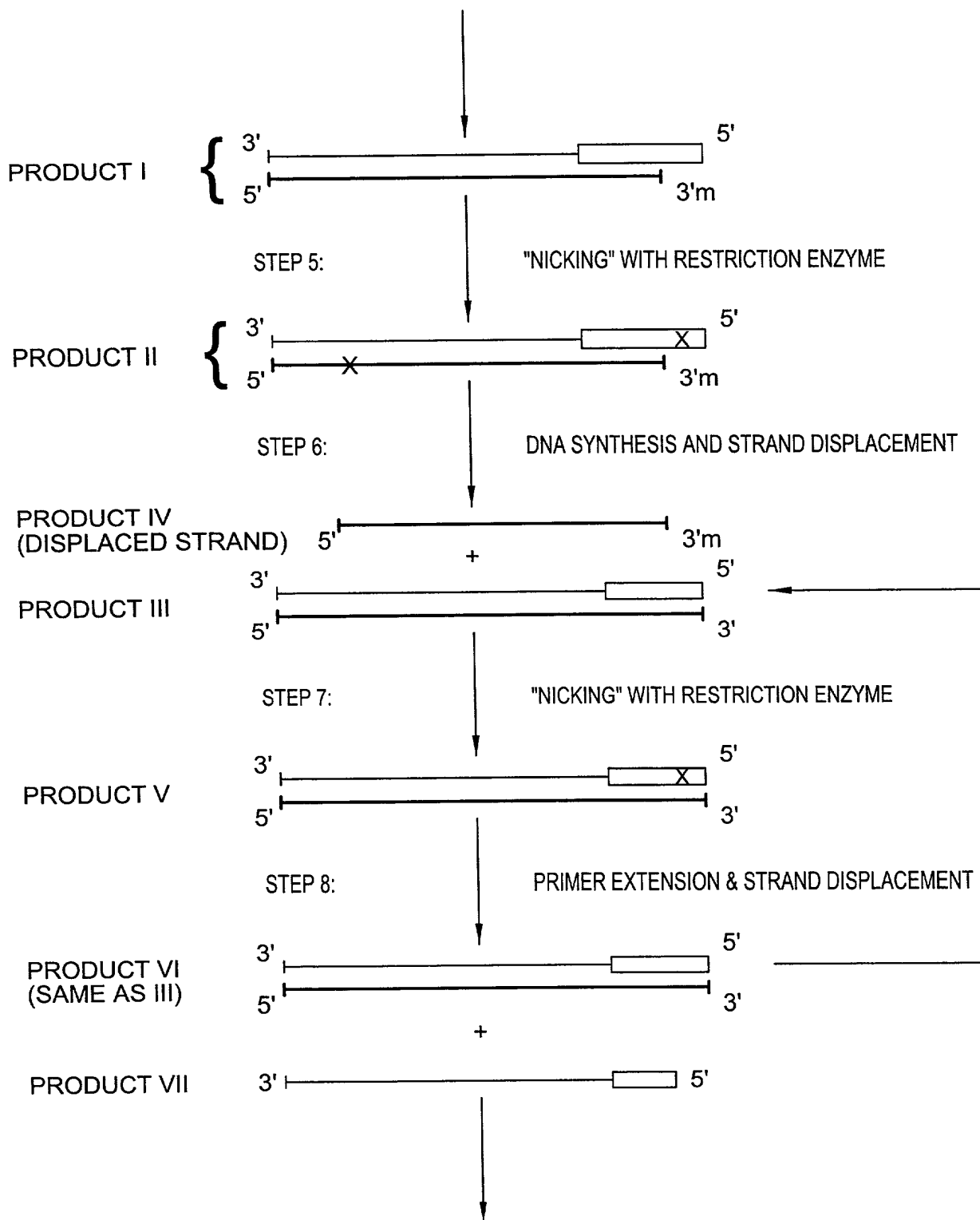
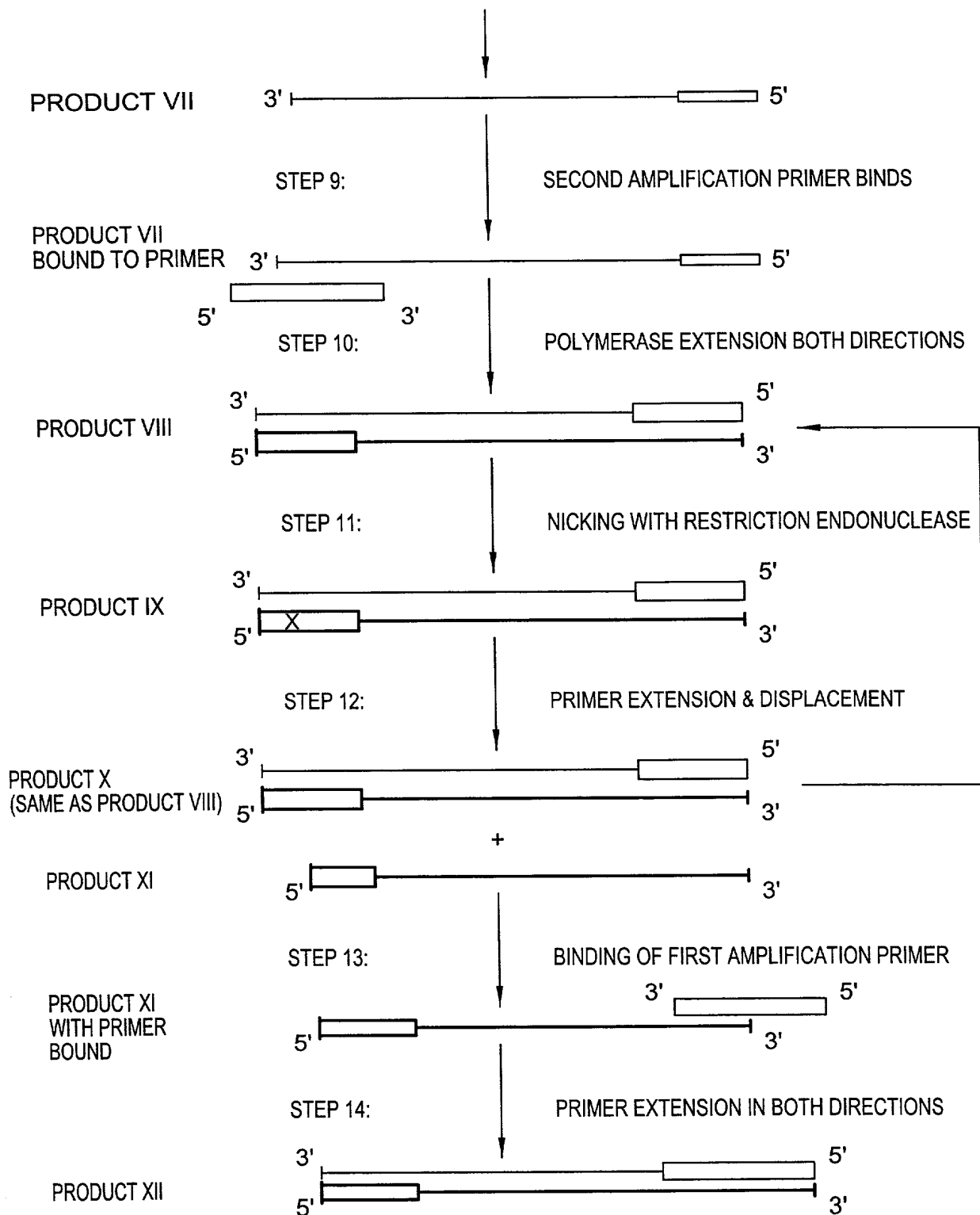


FIG. 23B

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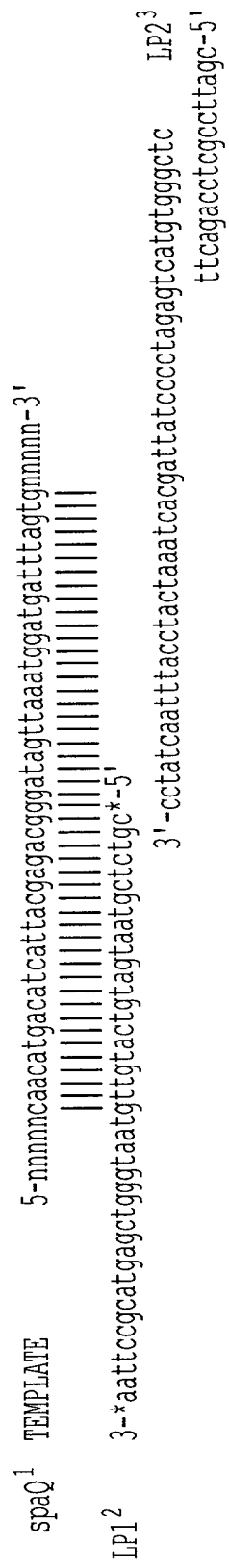


(PRODUCT XII CAN RE-ENTER PATHWAY AND BE FURTHER AMPLIFIED IN A MANNER
SIMILAR TO PRODUCT III, FOLLOWING STEP 6)

FIG. 23C

LIGATION-DEPENDENT DETECTION OF THE SALMONELLA spaQ GENE

LIGATION PROBES LP1 AND LP2:



AMPLIFICATION PRIMER SEQUENCES S1 AND S2:

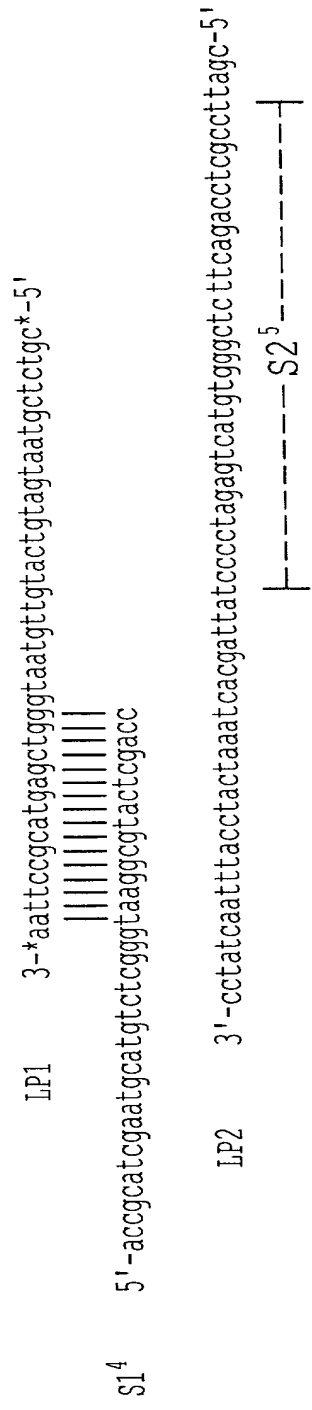
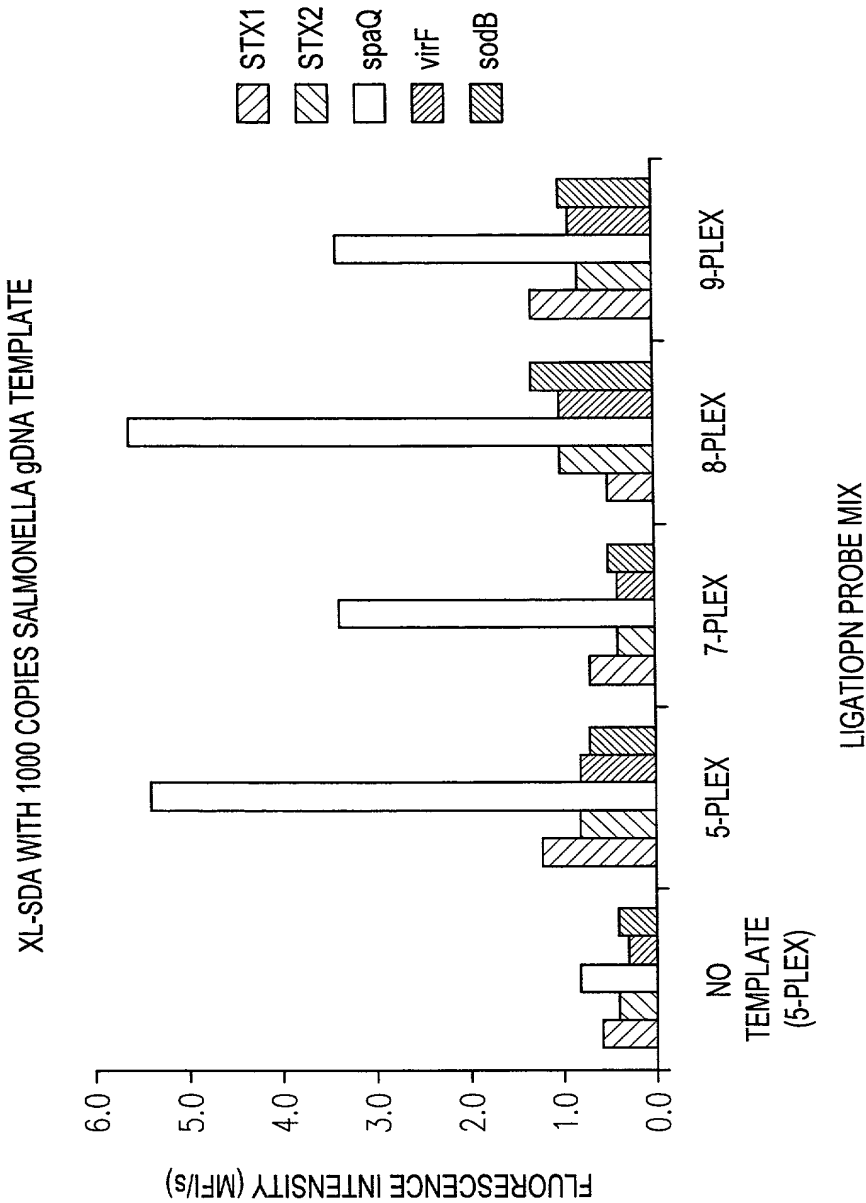


FIG. 23D



ELECTRONIC HYBRIDIZATION USING MICROELECTRODE ARRAY OF XL-SDA REACTIONS WITH SALMONELLA GENOMIC DNA AT 1000

FIG. 24